

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-118993

(43)Date of publication of application : 15.04.2004

(51)Int.Cl. G11B 20/10

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(54) DISK DEVICE HAVING ALTERNATIVE PROCESSING FUNCTION AND ALTERNATIVE PROCESSING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a disk device having an alternative processing function by which operation reliability of a disk device in high temperature is improved and a substitution processing method.

SOLUTION: A CPU 8 detects temperature by a temperature sensor 7, reads a temperature alternative processing discrimination table 16 from a ROM 19 and decides whether alternative processing is necessary or not from ambient temperature and a recording track position. When the alternative processing is not required, normal write-operation is performed, when it is required, a target sector is temporarily changed to an alternative destination sector. At this time, an alternative region 20 for high temperature recording is hard to be affected by fringe magnetic field by recording at the time of high temperature, writing can be performed exactly even when magnetic disk device 1 is in a temperature environment in which the damage is given to an adjacent track by writing to a user region 21.

